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PATENT

IN THE UNITED STATES PATENT AND TRADEMARKS OFFICE

PT/SCHALLER

In re Application of:	)
	)
HEINZ SCHALLER et al.	) Exam: Quang Ngyuen
	)
Appl. No.: 09/383,978	) Group Art Unit: 1632
	)
Filed: August 26, 1998	)
	)
For: METHODS AND COMPOSITION FOR	)
EXPRESSING HETEROLOGOUS GENES	)
IN HEPATOCYTES USING HEPADNAVIRAL	)
VECTORS	)

REVOCATION AND POWER OF ATTORNEY

Commissioner for Patents  
Washington, D.C. 20231

SIR:

We hereby appoint Ursula B. Day, Registration No. 47,296 with a post office address at 60 East 8<sup>th</sup> Street, New York, NY 1003, their attorney and/or agent to prosecute said application with full power of substitution and revocation, to prosecute any and all matters and to transact all business in the Patent and Trademark Office connected therewith, all other powers are hereby revoked. Please change the correspondence address for the above-identified application to: Customer No. 28157

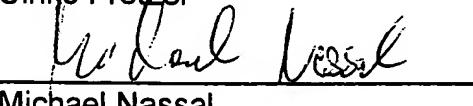
Ursula B. Day, Esq.  
350 Fifth Avenue, Suite 3220  
The Empire State Building  
New York, N.Y. 10118  
212-904-1815

Date: 10.8.2001

Respectfully submitted,

  
Heinz Schaller

  
Ulrike Proter

  
Michael Nassal

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Attorney's  
Docket  
Number BBI-102CP

Declaration, Petition and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHODS AND COMPOSITIONS FOR EXPRESSING HETEROLOGOUS GENES IN  
HEPATOCYTES USING HEPADNAVIRAL VECTORS  
the specification of which

(check one)

is attached hereto.

X was filed on August 26, 1999 as

Application Serial No. 09/383,978

and was amended on \_\_\_\_\_  
(if applicable)

I do not know and do not believe that the subject matter of this application was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date of this application, or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date of this application on an application filed more than twelve months (six months if this application is for a design) before the filing of this application; and I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

## CLAIM OF BENEFIT OF EARLIER FOREIGN APPLICATION(S)

I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) from which priority is claimed.

Check one:

no such applications have been filed.

such applications have been filed as follows

### EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 35 USC 119
			- Yes      No -
			- Yes      No -
			- Yes      No -
			- Yes      No -
			- Yes      No -

### ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION


**CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S)**

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

60/098,173  
(Application Serial No.)

August 26, 1998  
(Filing Date)

(Application Serial No.)

---

(Filing Date)

## CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any earlier United States application(s) or PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the earlier application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date(s) of the earlier application(s) and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier application(s), if any, described below, I do not know and do not believe that the same was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date(s) of said earlier application(s), or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date(s) of said earlier application(s) on an application filed more than twelve months (six months if this application is for a design) before the filing of said earlier application(s); and I acknowledge that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

(Application Serial No.)	(Filing Date)	(Status)
		(patented,pending,aband.)

(Application Serial No.)	(Filing Date)	(Status)
		(patented,pending,aband.)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

W. Hugo Liepmann	Reg. No. 20,407	Catherine J. Kara	Reg. No. 41,106
James E. Cockfield	Reg. No. 19,162	Faustino A. Lichaoco	Reg. No. 41,942
Thomas V. Smurzynski	Reg. No. 24,798	Jeanne M. DiGiorgio	Reg. No. 41,710
Ralph A. Loren	Reg. No. 29,325	Megan E. Williams	Reg. No. 43,270
Giulio A. DeConti, Jr.	Reg. No. 31,503	Nicholas P. Triano III	Reg. No. 36,397
Ann Lamport Hammitt	Reg. No. 34,858	Peter C. Lauro	Reg. No. 32,360
Elizabeth A. Hanley	Reg. No. 33,505	Reza Mollaaghababa	Reg. No. 43,810
Amy E. Mandragouras	Reg. No. 36,207	Timothy J. Douros	Reg. No. 41,716
John V. Bianco	Reg. No. 36,748	John L. Welch	Reg. No. 28,129
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Jane E. Remillard	Reg. No. 38,872	William D. DeVaul	Reg. No. 42,483
Jeremiah Lynch	Reg. No. 17,425	David J. Rikkers	Reg. No. 43,882
Kevin J. Canning	Reg. No. 35,470		
David A. Lane, Jr.	Reg. No. 39,261		

Send Correspondence to Elizabeth A. Hanley, Esq. at Customer Number: 000959 whose address is:

Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

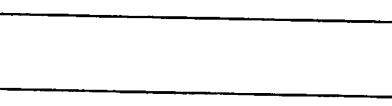
Elizabeth A. Hanley, Esq., (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Heinz Schaller	
Inventor's signature 	Date 11-10-99
Residence Jahnstrasse 21, 69120 Heidelberg, Germany	
Citizenship German	
Post Office Address (if different)	

Full name of second inventor, if any Ulrike Protzer	Inventor's signature 	Date 11-10-99
Residence Im Linsenbuehl 13, 69221 Dossenheim, Germany		
Citizenship German		
Post Office Address (if different)		

Full name of third inventor, if any Michael Nassal	Inventor's signature 	Date
Residence Allensteiner Weg 3, 69181 Leimen, Germany		
Citizenship German		
Post Office Address (if different)		

Attorney's  
Docket  
Number BBI-102CP

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			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

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Kevin J. Canning	Reg. No. 35,470		
David A. Lane, Jr.	Reg. No. 39,261		

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Elizabeth A. Hanley, Esq., (617) 227-7400

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Full name of sole or first inventor Heinz Schaller	
Inventor's signature	Date
Residence Jahnstrasse 21, 69120 Heidelberg, Germany	
Citizenship German	
Post Office Address (if different)	

Full name of second inventor, if any Ulrike Protzer	
Inventor's signature	Date
Residence Im Linsenbuehl 13, 69221 Dossenheim, Germany	
Citizenship German	
Post Office Address (if different)	

Full name of third inventor, if any Michael Nassal	
Inventor's signature	Date
Residence Allensteiner Weg 3, 69181 Leimen, Germany	
Citizenship German	
Post Office Address (if different)	